



IFWO

RAW SEQUENCE LISTING

DATE: 09/29/2004

PATENT APPLICATION: US/10/674,087A

TIME: 11:12:58

Input Set : A:\MIT-0507.ST25.txt

Output Set: N:\CRF4\09292004\J674087A.raw

RNA

3 <110> APPLICANT: Chen, et al.,

5 <120> TITLE OF INVENTION: Compositions and Methods for Delivery of Short Interfering

6 and Short Hairpin RNA

8 <130> FILE REFERENCE: 0492611-0507

10 <140> CURRENT APPLICATION NUMBER: 10/674,087A

11 <141> CURRENT FILING DATE: 2003-09-29

13 <160> NUMBER OF SEQ ID NOS: 32

15 <170> SOFTWARE: PatentIn version 3.2

17 <210> SEQ ID NO: 1

18 <211> LENGTH: 21

19 <212> TYPE: DNA

20 <213> ORGANISM: Artificial

22 <220> FEATURE:

23 <223> OTHER INFORMATION: siRNA targeted to GFP (sense strand)

25 <400> SEQUENCE: 1

26 ggcuacgucc aggagcgcat t

21

29 <210> SEQ ID NO: 2

30 <211> LENGTH: 21

31 <212> TYPE: DNA

32 <213> ORGANISM: Artificial

34 <220> FEATURE:

35 <223> OTHER INFORMATION: siRNA targeted to GFP (antisense strand)

37 <400> SEQUENCE: 2

38 ugcgcuccug gacguagcct t

21

41 <210> SEQ ID NO: 3

42 <211> LENGTH: 21

43 <212> TYPE: DNA

44 <213> ORGANISM: Artificial

46 <220> FEATURE:

47 <223> OTHER INFORMATION: siRNA targeted to influenza virus NP transcript (sense strand)

49 <400> SEQUENCE: 3

50 ggauuuuuu ucuucggagt t

21

53 <210> SEQ ID NO: 4

54 <211> LENGTH: 21

55 <212> TYPE: DNA

56 <213> ORGANISM: Artificial

58 <220> FEATURE:

59 <223> OTHER INFORMATION: siRNA targeted to influenza virus NP transcript (antisense strand)

62 <400> SEQUENCE: 4

63 cuccgaagaa auaagaucct t

21

66 <210> SEQ ID NO: 5



67 <211> LENGTH: 21

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68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial
71 <220> FEATURE:
72 <223> OTHER INFORMATION: sirRNA targeted to influenza virus PA transcript (sense
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74 <400> SEQUENCE: 5
75 gcaauugagg agugccugat t 21
78 <210> SEQ ID NO: 6
79 <211> LENGTH: 21
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial
83 <220> FEATURE:
84 <223> OTHER INFORMATION: sirRNA targeted to influenza virus PA transcript (antisense
85 strand)
87 <400> SEQUENCE: 6
88 ucaggcacuc cucaauugct t 21
91 <210> SEQ ID NO: 7
92 <211> LENGTH: 21
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial
96 <220> FEATURE:
97 <223> OTHER INFORMATION: sirRNA targeted to infuenza virus B-1 transcript (sense
strand)
99 <400> SEQUENCE: 7
100 gaucuguucc accauugaat t 21
103 <210> SEQ ID NO: 8
104 <211> LENGTH: 21
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial
108 <220> FEATURE:
109 <223> OTHER INFORMATION: sirRNA targeted to influenza virus PB-1 transcript (antisense
110 strand)
112 <400> SEQUENCE: 8
113 uucaauggug gaacagauct t 21
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 21
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial
121 <220> FEATURE:
122 <223> OTHER INFORMATION: sirRNA targeted to influenza virus NP transcript (sense
strand)
124 <400> SEQUENCE: 9
125 uagagagaau ggugcucuct t 21
128 <210> SEQ ID NO: 10
129 <211> LENGTH: 21
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial
133 <220> FEATURE:
134 <223> OTHER INFORMATION: sirRNA targeted to influenza virus NP transcript (antisense
135 strand)
137 <400> SEQUENCE: 10
138 gagagcacca uucucucuat t 21

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141 <210> SEQ ID NO: 11
142 <211> LENGTH: 21
143 <212> TYPE: DNA
144 <213> ORGANISM: siRNA targeted to influenza virus M transcript (sense strand)
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147 ccgaggucga aacguacgut t 21
150 <210> SEQ ID NO: 12
151 <211> LENGTH: 21
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial
155 <220> FEATURE:
156 <223> OTHER INFORMATION: siRNA targeted to influenza virus M transcript (antisense
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158 <400> SEQUENCE: 12
159 acguacguuu cgaccucggt t 21
162 <210> SEQ ID NO: 13
163 <211> LENGTH: 21
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial
167 <220> FEATURE:
168 <223> OTHER INFORMATION: siRNA targeted to influenza virus PB-1 transcript (sense
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170 <400> SEQUENCE: 13
171 caggauacac cauggauact t 21
174 <210> SEQ ID NO: 14
175 <211> LENGTH: 21
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial
179 <220> FEATURE:
180 <223> OTHER INFORMATION: siRNA targeted to influenza virus PB-1 transcript (antisense
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183 <400> SEQUENCE: 14
184 guauccaugg ugauccugt t 21
187 <210> SEQ ID NO: 15
188 <211> LENGTH: 20
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial
192 <220> FEATURE:
193 <223> OTHER INFORMATION: shRNA targeted to influenza virus NP transcript (sense
portion)
195 <400> SEQUENCE: 15
196 ggaucuuauu ucuucggaga 20
199 <210> SEQ ID NO: 16
200 <211> LENGTH: 20
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial
204 <220> FEATURE:
205 <223> OTHER INFORMATION: shRNA targeted to influenza virus NP transcript (antisense
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208 <400> SEQUENCE: 16
209 ucuccgaaga aaauagaacc 20
212 <210> SEQ ID NO: 17

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Input Set : A:\MIT-0507.ST25.txt

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213 <211> LENGTH: 57
 214 <212> TYPE: DNA
 215 <213> ORGANISM: Artificial
 217 <220> FEATURE:
 218 <223> OTHER INFORMATION: oligonucleotide for construction of shRNA targeted to
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 219 virus NP transcript.
 221 <400> SEQUENCE: 17
 222 tggatcttat ttcttcggag attcaagaga tctccgaaga aataagatcc ttttttc 57
 225 <210> SEQ ID NO: 18
 226 <211> LENGTH: 61
 227 <212> TYPE: DNA
 228 <213> ORGANISM: Artificial
 230 <220> FEATURE:
 231 <223> OTHER INFORMATION: oligonucleotide for construction of shRNA targeted to
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 232 virus NP transcript
 234 <400> SEQUENCE: 18
 235 tcgagaaaaa aggatcttat ttcttcggag atctcttgaa tctccgaaga aataagatcc 60
 237 a 61
 240 <210> SEQ ID NO: 19
 241 <211> LENGTH: 55
 242 <212> TYPE: DNA
 243 <213> ORGANISM: Artificial
 245 <220> FEATURE:
 246 <223> OTHER INFORMATION: oligonucleotide for construction of shRNA targeted to
 influenza
 247 virus PB1 transcript
 249 <400> SEQUENCE: 19
 250 tgatctgttc caccattgaa ttcaagagat tcaatggtgg aacagatctt ttttc 55
 253 <210> SEQ ID NO: 20
 254 <211> LENGTH: 59
 255 <212> TYPE: DNA
 256 <213> ORGANISM: Artificial
 258 <220> FEATURE:
 259 <223> OTHER INFORMATION: oligonucleotide for construction of shRNA targeted to
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 260 virus PB1 transcript
 262 <400> SEQUENCE: 20
 263 tcgagaaaaa agatctgttc caccattgaa tctcttgaat tcaatggtgg aacagatca 59
 266 <210> SEQ ID NO: 21
 267 <211> LENGTH: 56
 268 <212> TYPE: DNA
 269 <213> ORGANISM: Artificial
 271 <220> FEATURE:
 272 <223> OTHER INFORMATION: oligonucleotide for construction of shRNA targeted to
 respiratory
 273 syncytial virus transcript
 275 <400> SEQUENCE: 21
 276 tgcgataata taactgcaag attcaagaga tcttgcagtt atattatcgt ttttc 56
 279 <210> SEQ ID NO: 22
 280 <211> LENGTH: 60
 281 <212> TYPE: DNA

282 <213> ORGANISM: Artificial

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284 <220> FEATURE:
285 <223> OTHER INFORMATION: oligonucleotide for construction of shRNA targeted to
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286     syncytial virus transcript
288 <400> SEQUENCE: 22
289 tcgagaaaaa acgataatat aactgcaaga tctcttgaat cttgcagtta tattatcgca      60
292 <210> SEQ ID NO: 23
293 <211> LENGTH: 19
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial
297 <220> FEATURE:
298 <223> OTHER INFORMATION: siRNA targeted to respiratory syncytial virus transcript
(sense
299     strand)
301 <400> SEQUENCE: 23
302 cgataatata actgcaaga      19
305 <210> SEQ ID NO: 24
306 <211> LENGTH: 19
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial
310 <220> FEATURE:
311 <223> OTHER INFORMATION: siRNA targeted to respiratory syncytial virus transcript
312     (antisense strand)
314 <400> SEQUENCE: 24
315 tcttgcagtt atattatcg      19
318 <210> SEQ ID NO: 25
319 <211> LENGTH: 55
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial
323 <220> FEATURE:
324 <223> OTHER INFORMATION: oligonucleotide for construction of shRNA targeted to
influenza
325     virus PA transcript
327 <400> SEQUENCE: 25
328 tgcaattgag gagtgcctga ttcaagagat caggcactcc tcaattgctt ttttc      55
331 <210> SEQ ID NO: 26
332 <211> LENGTH: 59
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial
336 <220> FEATURE:
337 <223> OTHER INFORMATION: oligonucleotide for construction of shRNA targeted to
influenza
338     virus PA transcript
340 <400> SEQUENCE: 26
341 tcgagaaaaa agcaattgag gagtgcctga tctcttgaat caggcactcc tcaattgca      59
344 <210> SEQ ID NO: 27
345 <211> LENGTH: 9
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial
349 <220> FEATURE:
350 <223> OTHER INFORMATION: loop sequence for shRNA
352 <400> SEQUENCE: 27
353 uucaagaga      9

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/674,087A

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Input Set : A:\MIT-0507.ST25.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28

Seq#:29,30,31,32

VERIFICATION SUMMARY

DATE: 09/29/2004

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